

Docket No. 24061.69 (TSMC2002-1055/1057)
Customer No. 42717

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yu Min Lin, et al.

Serial No.: 10/763,643

Filed: January 23, 2004

For: System and Method for Integration
of HfO₂ and RTCVD Poly-Silicon

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Docket Number: 24061.69
(TSMC2002-1055/1057)

Examiner: To Be Determined

Art Unit: 2812

Conf. No.: 7730

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL SHEET TO POWER OF ATTORNEY

In accordance with 37 CFR 1.32 (c)(3) and with reference to the accompanying Power of Attorney, please recognize the following ten patent practitioners as being of record in this application.

Name	Registration Number
Jeffrey M. Becker	35,442
Timothy F. Bliss	50,925
Andrew S. Ehmke	50,271
Dave R. Hofman	55,272
Wei Wei Jeang	33,305
Julie M. Nickols	50,826
J. Andrew Lowes	40,706
David M. O'Dell	42,044
T. Murray Smith	30,222
Chien Wei Chou	41,672

Respectfully submitted,

Timothy F. Bliss

Timothy F. Bliss
Registration No. 50,925

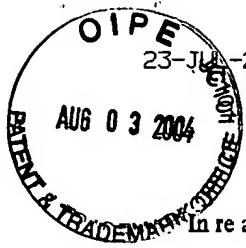
Dated: July 29, 2004

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on the date indicated below:

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P.04

In re application of:

Yu Min Lin, et al.

Serial No.: 10/763,643

Filed: January 23, 2004

For: SYSTEM AND METHOD FOR
INTEGRATION OF HfO2 AND
RTCVD PLY-SILICON

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Docket No.: 24061.69

(TSMC2002-1057)

Customer No. 27683

Group Art Unit: To Be Determined

Examiner: To Be Determined

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY FOR PATENT APPLICATION

As a representative of the Assignee, Taiwan Semiconductor Manufacturing Company, Ltd., I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Jeffrey M. Becker (Reg. No. 35,442); James R. Bell (Reg. No. 26,528); Timothy F. Bliss (Reg. No. 50,925); Randall C. Brown (Reg. No. 31,213); Randall E. Colson (Reg. No. 40,566); Michael A. Davis, Jr. (Reg. No. 35,488); Andrew S. Ehmke (Reg. No. 50,271); Priscilla Ferguson (Reg. No. 42,531); Alan N. Herda (Reg. No. 50,426); William E. Hickman (Reg. No. 46,771); Dave R. Hofman (Reg. No. 55,272); Rita M. Irani (Reg. No. 31,028); Wei Wei Jeang (Reg. No. 33,305); Mark P. Kahler (Reg. No. 29,178); Warren B. Kice (Reg. No. 22,732); J. Andrew Lowes (Reg. No. 40,706); Todd Mattingly (Reg. No. 40,298); Julie M. Nickols (Reg. No. 50,826); Gloria Norberg (Reg. No. 36,706); David M. O'Dell (Reg. No. 42,044); and T. Murray Smith (Reg. No. 30,222); and Chien Wei Chou (Reg. No. 41,672).

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The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above. A copy of the assignment or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the Assignee.

Taiwan Semiconductor Manufacturing Company, Ltd.

July 23, 2004
Date

Chien-Wei Chou
Chien-Wei Chou
Title: Director, IP Division

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Customer No. 42717

ASSIGNMENT

WHEREAS, We,

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| (1) | ^{Yu}
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| (2) | Ming-Fang Wang | of | No. 327, Jhongping Rd.
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| (3) | Kun-Chih Lee | of | No. 2, Cyuansing Village
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Tainan County, Taiwan 712, R.O.C. |
| (4) | Ming-Ho Yang | of | 9F, No. 72-9, Lane 531, Sec. 1
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| (5) | Liang-Gi Yo | of | No. 6, Alley 1, Lane 158
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| (6) | Shih-Chang Chen | of | 5F-A, No. 970, Sec. 4, Jhongsing Rd.
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| (7) | Karen L. Mai | of | <u>No. 12-1, Alley 9, Lane 151,</u>
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<u>Taipei County, Taiwan 235, R.O.C.</u> |

have invented certain improvements in

SYSTEM AND METHOD FOR INTEGRATION OF HfO₂
AND RTCVD POLY-SILICON

for which we have executed an application for Letters Patent of the United States of America, filed January 23, 2004 and assigned application serial no. 10/763,643; and

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, Republic of China, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may

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be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

First Inventor Name: ^{Yu} Ya Min Lin
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Date June 29, 2004

Signed: Yu Min Lin

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Date June 29, 2004

Signed: Ming-Fang Wang

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✓
Date July 23, 2004

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Signed: Kuen-Chih Lee

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Date July 8th, 2004

Signed: Karen L. Mai